## WHAT IS CLAIMED IS:

1. A machine for punching out assembled electronic circuitry parts from a carrier tape, including a tape feeding station arranged to reel off an electronic parts carrier tape having a plural number of assembled electronic part sections formed in a predetermined pitch in the longitudinal direction thereof, and a tape punching station arranged to punch out said electronic part sections successively from said tape,

characterized in that said machine comprises:

at least a couple of reel support shafts provided separately at said tape feeding section; and

a tape switcher provided in association with a tape supply route from said tape feeding station to said tape punching station and adapted to releasably hold a fore end portion of a carrier tape from a tape supply reel in a standby position while a carrier tape is being fed to said tape punching station from a currently active tape supply reel, and to splice said fore end of the carrier tape from said standby reel to said carrier tape from said currently active supply reel at a position posterior to a last electronic part section on said carrier tape from said currently active reel, switching the tape supply from said currently active reel to the standby reel substantially in an uninterrupted manner

- as soon as said carrier tape from said active reel has been consumed to said last electronic part section.
- 2. A machine as defined in claim 1, further comprising a tape end
  detection means located in the course of said tape supply route from
  said tape feeding station to said tape punching station to detect a
  position of said last electronic part section on said carrier tape from
  said currently active reel, actuating said tape switcher in response to a
  signal from said tape end detection means.
  - 3. A machine as defined in claim 1, wherein said carrier tape has front and rear leader tapes attached to the fore and rear ends of said electronic parts carrier portion, and said tape switcher includes a cutter means for cutting a rear leader tape portion of said carrier tape from said currently active supply reel, a tape holder means for holding a rear end portion of the tape cut by said cutter means and overlapping same on a fore end portion of the carrier tape from said standby reel, and stapler means for connecting the overlapped rear and fore end portions securely to each other.

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4. A method for replacing a consumed reel by a fresh tape supply

reel in punching out assembled electronic circuitry parts from a carrier tape by a machine including a tape feeding station arranged to reel off an electronic parts carrier tape having a plural number of assembled electronics circuitry part sections formed in a predetermined pitch in the longitudinal direction thereof, and a tape punching station arranged to punch out said electronic part sections successively from said tape, said method comprising the steps of:

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setting a fresh tape supply reel at said tape feeding station while a carrier tape is being supplied to said tape punching station from a first tape supply reel, and connecting a fore end portion of the tape from said fresh supply reel to a tape switcher; and

upon detecting that the tape from said first supply reel has been consumed completely, splicing said fore end portion of the tape from said fresh supply reel to a rear end portion of the consumed tape while cutting off the rear end portion of the consumed tape from said first supply reel.

5. A method for fabricating electronics circuitry part units each having an IC device mounted on a wiring pattern formed a substrate film by a machine having a tape feeding station arranged to reel off an electronic parts carrier tape having a plural number of assembled

- 5 electronic part sections formed in a predetermined pitch in the
- longitudinal direction thereof, and a tape punching station arranged to
- 7 punch out said electronic part sections successively from said tape,
- 8 said method comprising the steps of:

setting a couple of supply reels of the electronic parts carrier tape separately on two reel support shafts;

while feeding a carrier tape from one supply reel pitch by pitch toward said tape punching station, detecting electronic circuitry parts on said carrier tape one after another by a sensor means, setting the detected electronic parts one after another in a punching position at said tape punching station, punching out and separating said electronic parts one after another from said carrier tape by actuating a cutter provided at said tape punching station;

upon detecting by a sensor means that all of the electronic parts on the carrier tape from said one supply reel have been consumed completely, splicing a fore end portion of a carrier tape from the other supply reel to a rear end portion of the carrier tape from said one supply reel at a position posterior to a last electronic part section of the consumed tape, cutting the tape from one supply reel at a splicing position, starting a punching operation on the carrier tape from the other supply reel as soon as a foremost electronic part section is

advanced to said tape punching station; and

while the punching operation on the carrier tape from said the other supply reel is in progress at said tape punching station, removing the consumed reel and setting a fresh supply reel in position in place of the consumed reel.